Plant: Ardagh Metal Beverage USA Inc.

2433 Crocker Circle Fairfield, CA 94533 Permit Site # A1665 Date: July 14, 2016

#### Title V Semi-Annual Monitoring Verification Report

#### Table VII-A

Applicable Limits and Compliance Monitoring Requirements S-1, S-7: Roller Coaters, Line 1 & Line 2

			3-	I, S-7: Roller Coa	aters, Line	& Line 2			
T	Emission Limit	rr	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring	Com	oliance
Type of Limit	Citation	FE Y\N	Date	Emission Limit	Citation	(P/C/N)	Туре	Yes	No
VOC	BAAQMD 8-11-301.3	Y		Two-Piece Can Basecoat: 250 g/l (2.1 lb/gal) of	BAAQMD 8-11-501	P/D	Coating records		
				coating applied, excluding water				YES	
	BAAQMD 8-11-302 (alternative to 8-11- 301.3)	Y		Abatement Device efficiency >90%	BAAQMD 8-11-504	С	Temperature of incineration unit	YES	
	BAAQMD 8-11-305.1 (optional)	Y		Daily weighted average VOC emissions from all coatings equivalent to VOC limits specified by 8-11-301	BAAQMD 8-11-3053 — 8-11-503.1	P/A P/E	Alternative Emission Control Plan submittal — Excess emissions reporting	YES	
VOC	NSPS Subpart WW, 60.492 (a)	Y		Exterior Base Coat: 0.29 kilogram of VOC per liter (2.42 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters	YES	
	Condition #391, part 1	Y		Facility Limit has been change to 34.4 Tons/Yr	Condition 0391, part 9(a)	P/D	Operating time, Can production rate, Amount of coating used	YES	

Plant: Ardagh Metal Beverage USA Inc. 2433 Crocker Circle Fairfield, CA. 94533 Permit Site # A1665 July 03, 2015

### **Title V Semi-Annual Monitoring Verification Report**

#### Table VII-B

#### Applicable Limits and Compliance Monitoring Requirements

S-2, S-8: Coater Ovens

	Emission		Future		Monitoring	Monitoring		Compliance	Compliance
Type of	Limit	FE	Effective		Requirement	Frequency	Monitoring	V	NT -
Limit	Citation	Y/N	Date	Emission Limit	Citation	(P/C/N)	Туре	Yes	No
voc	BAAQMD	Y		Two-Piece Can	BAAQMD	P/D	Coating		
	8-1 1-301.3			Basecoat:	8-1 1-501		records	YES	
				250 g/l (2.1 lb/gal) of					
;				coating applied, excluding water					
VOC	BAAQMD	Y		Abatement Device	BAAQMD	С	Temperature		
	8-11-302			efficiency ≥90%	8-11-504		of	YES	
	(alternative						incineration		
	to 8-11-						unit		
	301.3)	<u> </u>							
	NSPS	Y		Exterior Base Coat:	NSPS Subpart	P/M	Coating		
	Subpart			0.29 kilograms f VOC	WW, 60.493 (b)		records,		
	ww,			per liter (2.42 lb/gal)			Initial	İ	
	60.492 (a)			of coating solids			performance		
							test,		
							Monthly	YES	
							operating	1	
			ļ				parameters		
	Condition	Y		34.4 tons/yr,	Condition #391,	P/D	Operating		
	#391,			facility limit	part 9(a)		time,		
	part I						Can		
				[			production		
			Ì				rate,	YES	
							Amount of		
							coating used	ļ	
	Condition	Y		Abatement Device	Condition #391,	С	Temperature		
	#391,	1		efficiency ≥95%	part 7		of		
	part 5	ļ			ļ	ļ	incineration	YES	ļ
							unit		
	Condition	Y		Minimum Incinerator	Condition #391,	С	Temperature		
	#391,			Temperature A-9 is	part 7		of		
	part 6			1600 degrees F			incineration	YES	
	1	1	I	i	ĺ	1	unit	1	

Plant: Ardagh Metal Beverage USA Inc.

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#### Title V Semi-Annual Monitoring Verification Report

# Table VII-C Applicable Limits and Compliance Monitoring Requirements S-3, S-9: Printers, Line 1 & Line 2

	Emissions		Future		Monitoring	Monitoring		Comp	liance
Type of Limit	Limit Citation	FE Y/N	Effective Date	Emission Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
VOC	BAAQMD 8-11-301.3	Y		Overvarnish: 250 g/l (2.1 lb/gal) of coating applied, excluding water	BAAQMD 8-11-501	P/D	Coating records	YES	
	8-11- 301.10	N		Inks: 300 g/l (2.5 lb/gal) of coating applied, excluding water	BAAQMD 8-11-501	P/D	Coating records	YES	
	BAAQMD 8-11-302 (alternative to 8-11- 301.3, 301.10)	Y		Abatement Device efficiency≥90%	BAAQMD 8-11-504	С	Temperature of incineration unit	YES	
	BAAQMD 8-11-305.1 (optional)	Y		Daily weighted average VOC emissions from all coatings equivalent to VOC limits specified by 8-11-301	BAAQMD 8-11-305.3 - 8-11-503.1	P/A – P/E	Alternative Emission Control Plan submittal – Excess emissions reporting	YES	
	SIP 8-11-301.9	Y		Inks: 300 g/l (2.5 lb/gal) of coating applied, excluding water	SIP 8-11-501	P/D	Coating records	YES	

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#### Title V Semi-Annual Monitoring Verification Report

### Table VII-C Applicable Limits and Compliance Monitoring Requirements S-3, S-9: Printers, Line 1 & Line 2

Type of	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes	No
voc	NSPS Subpart WW. 60.492 (b)	Y		Over-varnish: 0.46 kilogram of VOC per liter (3.84 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records, Initial performance test, Monthly operating parameters	YES	
	Condition 391, part 1	Y		34.4 tons/yr, facility limit	Condition 4391, part 9(a)	P/D	Operating time, Can production rate, Amount of coating used	YES	

## Table VII -D Applicable Limits and Compliance Monitoring Requirements S-4, S-10: Printer Ovens

Type of	Emission Limit Citation	FE	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	compliance Yes	No
VOC	BAAQMD 8-11-301.3	Y		Overvarnish: 250 g/l (2.1 lb/gal) of coating applied, excluding water	BAAQMD		Coating records	YES	
	8-11- 301.10	N		Inks: 300 g/l (2.5 lb/gal) of coating applied. excluding water	BAAQMD 8-1 I-501	P/D	Coating records	YES	

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#### Title V Semi-Annual Monitoring Verification Report

# Table VII-D Applicable Limits and Compliance Monitoring Requirements S-4, S-10: Printer Ovens

	Emission	FE	Future Effective	:	Monitoring Requirement	Monitoring Frequency		Compli	iance
Type of Limit	Limit Citation	FE	Date	Emission Limit	Citation	(P/C/N)	Monitoring Type	Yes	No
voc	BAAQMD 8-11-302 (alternative to 8-11- 301.3, 301.10)	Y		Abatement Device efficiency≥90%	BAAQMD 8-11-504	С	Temperature of incineration unit	YES	
	SIP 8-11-301.9	Y		Inks: 300 g/l (2.5 lb/gal) of coating applied, excluding water	BAAQMD 8-11-501	P/D	Coating records	YES	
	NSPS Subpart WW, 60.492 (b)	I I		Overvarnish / Clear Basecoat: 0.46 kilogram of VOC per liter (3.84 lb/gal) of coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records,  Initial performance test, Monthly operating parameters	YES	
	Condition #391, part 1	Y		34.4 tons/yr, facility limit	Condition #391, part 9(a)	P/D	Operating time,  Can  production  rate,  Amount of  coating used	YES	
VOC	Condition #391, part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 7	С	Temperature of incineration unit	YES	
	Condition #391, part 6	Y		Minimum Incinerator Temperature of A-9 is 1600 degrees F	Condition #391, part 7	С	Temperature of incineration unit	YES	

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#### Title V Semi-Annual Monitoring Verification Report

# Table VII-E Applicable Limits and Compliance Monitoring Requirements S-5, S-11: Inside Spray Machines, Line 1 & Line 2

	Emissions		Future		Monitoring	Monitoring		Comp	liance
Type of Limit	Limit Citation	FE Y/N	Effective Date	Emission Limit	Requirement Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
VOC	BAAQMD 8-11- 301.4.1	Y		Interior Body Spray: 420 g/l (3.5 lb/gal) of coating applied excluding water	BAAQMD 8-11-501	P/D	Coating records	YES	
	BAAQMD 8-11-302 (alternative to 8-11- 301.4,	N		Abatement Device efficiency≥90%	BAAQMD 8-11-504	С	Temperature of incineration unit	YES	
	BAAQMD 8-11-305.1 (optional)	Y		Daily weighted average VOC emissions from all coatings equivalent to VOC limits specified by 8-11-301	BAAQMD 8-11-305.3 - 8-11-503.1	P/A – P/E	Temperature of incineration unit	YES	
	SIP 8-11-301.4	Y		Interior Body Spray: 510 g/l (4.2 lb/gal) of coating applied excluding water		P/D	Alternative Emission Control Plan submittal – Excess emissions reporting	YES	
	NSPS Subpart WW, 60.492 (c)	Υ		Inside Spray: 0.89 kilogram of VOC per liter (7.43 lb/gal) of coating solids	NSPS Subpart WW 60.493 (b)	P/M	Coating Records Initial Performance Test. Monthly operating Parameters	YES	

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### **Title V Semi-Annual Monitoring Verification Report**

#### Table VII-E

#### Applicable Limits and Compliance Monitoring Requirements

S-5, S-11: Inside Spray Machines, Line 1 & 2

	· · · · · · · · · · · · · · · · · · ·		<u> </u>	2-11: 11181de 2	pray Machines,	Line 1 &		<del></del>	<del>,</del>
Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes	Compliance No
VOC	Condition #391 Part 1	Y		34.4 tons/yr. facility limit	Condition #391, part 9 (a)	P/D	Operating time Can production rate, Amount of coating used	YES	
	Condition #391 Part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 4	P/D	Ventilation System negative pressure monitoring	YES	
	Condition #391 Part 5	Y		Abatement Device efficiency ≥95%	Condition #391, part 7	С	Temperature of incineration unit	YES	
	Condition #391, part 6	Y		Minimum incinerator Temperature of A-9 is 1600 degrees F	Condition #391, part 7	С	Temperature of incineration unit	YES	
TSP	Regulation 6-301	Y		Ringelmann 1.0	-	N		YES	
	Regulation 6-310	Y		0.15 gr/dscf	Condition #16547, part 2	P/Q	Baghouse Inspection	YES	

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#### Title V Semi-Annual Monitoring Verification Report

# Table VII-F Applicable Limits and Compliance Monitoring Requirements S-6, S-12: Bake Ovens

	Emission		Future		Monitoring Requirement	Monitoring		Com	pliance
Type of Limit	Limit Citation	FE	Effective Date	Emission Limit	Citation	Frequency (P/C/N)	Monitoring Type	Yes	No
VOC	8-11- 301.4.1	N		Interior Body Spray: 420 g/l (3.5lb/gal) of coating applied excluding water	BAAQMD 8-11-501	P/D	Coating records	YES	
	BAAQMD 8-11-302 (alternative to 8-11- 301.4)	Y		Abatement Device efficiency ≥ 90%	BAAQMD 8-11-504	С	Temperature of incineration unit	YES	
	STP 8-11-301.4	Y		Interior Body Spray: 510 g/l(4.2 lb/gal) of Coating applied excluding water					
	NSPS Subpart WW 60.492 (c)	Y		Inside Spray Coat: 0.89 kilogram of VOC per liter (7.43 lb/gal) of. coating solids	NSPS Subpart WW, 60.493 (b)	P/M	Coating records Initial Performance test. Monthly operating Parameters	YES	
	Condition #391, part 1	Y		34.4 tons/yr. facility Limit	Condition #391, part 9 (a)	P/D	Operating Time.  Can production rate amount of coating used	YES	
	Condition #391, part 5	Y		Abatement device efficiency > 95%	Condition #391, part 7	С	Temperature of incineration unit	YES	
VOC	Condition #391, part 6	Y		Minimum Incinerator Temperature of A-9 is 1600 degrees F	Condition #391, part 7	С	Temperature of incineration unit	YES	

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## Table VII G Applicable Limits and Compliance Monitoring Requirements S-17, Lime Silo

Type of	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance Yes	No
TSP	Regulation 6-301	Y		Ringelmann 1.0	Condition #16548, part 2,3	P/A	Visible Emissions Checks Records for S-17	YES	
	Regulation 6-310	Y		0.15 /dscf		N	rate, Amount of coating used	YES	

## Table VII -G Applicable Limits and Compliance Monitoring Requirements S-16 Scrap Collection System

Type of	Emission Limit Citation	FE	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	compliance	No
TSP	Regulation 6-301	Y		Ringelmann 1.0	Condition #16548, part 2,3			YES	
	Regulation 6-310	Y		0.15 /dscf				YES	